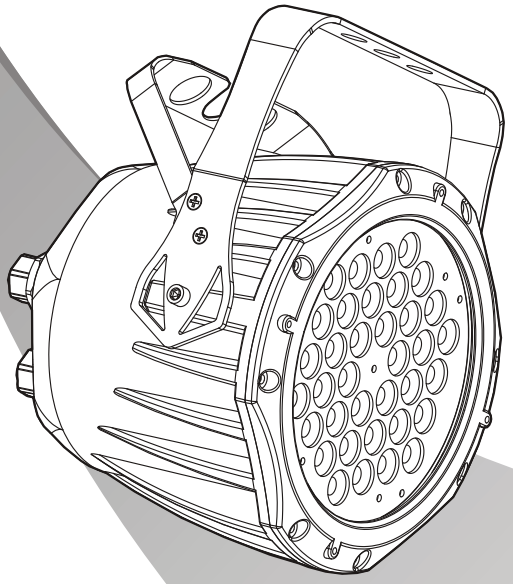
ARC-PAINT

USER MANUAL



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1 PRODUCT (GENERAL)

1.1 PRODUCT INTRODUCTION
1.2 PRODUCT FEATURES
1.3 TECHNICAL SPECIFICATIONS
1.4 PHOTOMETRIC DATA
1.5 SAFETY WARNING

1.1 PRODUCT INTRODUCTION

This product is designed for indoor or outdoor use. Suitable applications include wash or effect lighting for architectural, stage or nightclub applications. This product can also be installed for use in signage and advertising using the dynamic functions available with DMX512 control. Direct input of DMX512 signal allows the units to be controlled from any DMX512 controller. This product can be operated as a single unit or in multiple units for large applications.

The specially developed controller that allows the product to be controlled independent of the DMX512 controller enables the user to create and edit a wide range of custom programs. All programs can be touch-button displayed or scheduled to START and END at scheduled times. When programs have been created or edited in the controller, it is also possible to trigger these programs using the DMX IN function when connected to a DMX512 controller.

1.2 PRODUCT FEATURES

LED FIXTURE

* RGB Dimmer 0-100%
* Strobe
* Automatic programs
* IP65 protection rating
* LED display
* Display control 'lock-out'
* Direct DMX512 input
* Independant ID address
* Lightweight aluminium casing

PiX CONTROLLER

* RGB Dimmer 0-100%
* Strobe
* Clock & Timer
* Automatic programs (wash & effect)
* Custom programs
* Program Schedule
* LCD display
* Display control 'lock-out'
* Direct DMX512 input
* Lightweight plastic casing

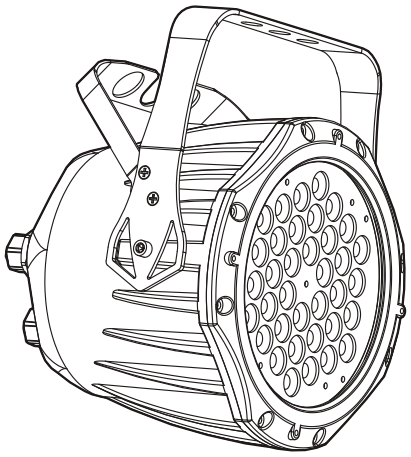
1.3 TECHNICAL SPECIFICATIONS

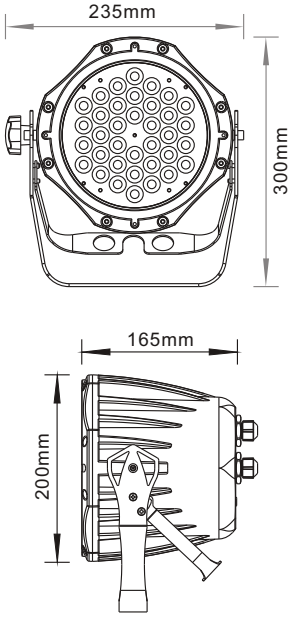
LED MODULE

LED MODULE:	
Voltage	100~240V...50/60Hz
Rated Power	65W
IP	IP65 protection rating
LED/Unit	36pcs (12 x RED / 12 x GREEN / 12 x BLUE)
Output/LED	1W
Environment Temperature	-20℃~40℃
LED Beam Angle	15° (30° Optional)
Cooling	Direct air convection
Dimensions	235 x 165 x 300mm
Weight	4Kg

CONTROLLER

CONTROLLER:	
Voltage	220~240V, 50/60Hz.....100~120V, 50/60Hz
Rated Power	1.5W
IP	IP33 protection rating
Dimensions	180 x 125 x 49mm
Weight	0.7Kg

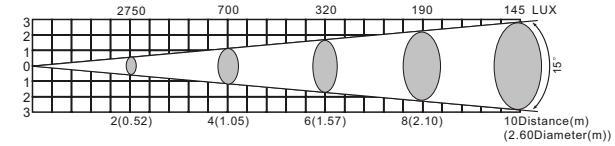




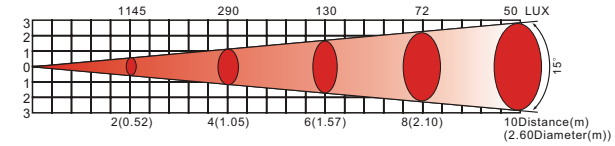
1.4 PHOTOMETRIC DATA

PHOTOMETRIC DATA

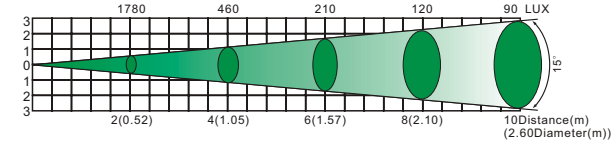
WHITE



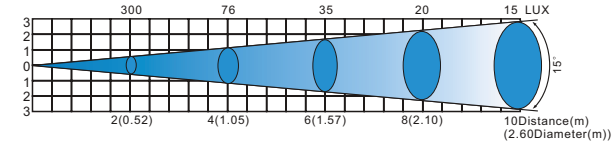
RED



GREEN



BLUE



1.5 SAFETY WARNING

IMPORTANT

【ALWAYS READ THE USER MANUAL BEFORE OPERATION. 】
【PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.】

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

ATTENTION

- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that al parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact your distributor immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.

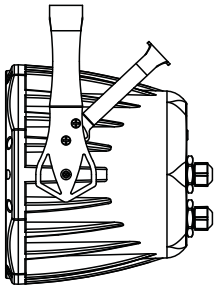
2 INSTALLATION

2.1 MOUNTING
2.2 POWER CONNECTIONS
2.3 SETTING UP WITH A DMX512 CONTROLLER
2.3-1 DMX512 ADDRESSING WITHOUT ID ADDRESSING
2.3-2 DMX512 ADDRESSING WITH ID ADDRESS
2.4 SETTING UP WITH THE PiX CONTROLLER
2.4-1 SINGLE ROW APPLICATION
2.4-2 STANDARD BLOCK APPLICATION
2.4-3 REPEAT ROW BLOCK APPLICATION
2.5 OPERATION: DMX512 Vs PiX CONTROLLER

2.1 MOUNTING

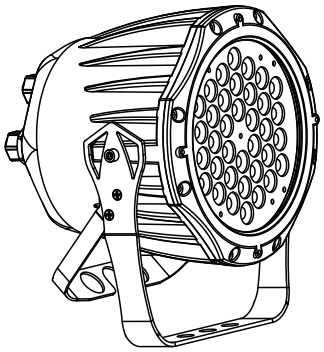
HANGING

The LED PAR can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used.



UPRIGHT

The LED PAR can be mounted in an upright or sitting position using the supporting brackets.



NOTE	**The LED MODULE can be mounted at any angle and in any position. It is possible to further adjust the angle of the LED MODULE using the two adjustment knobs located on the side of the fixture.**

2.2 POWER CONNECTIONS

@ 220V: 40 units may be connected in series

@120V: 20 units may be connected in series

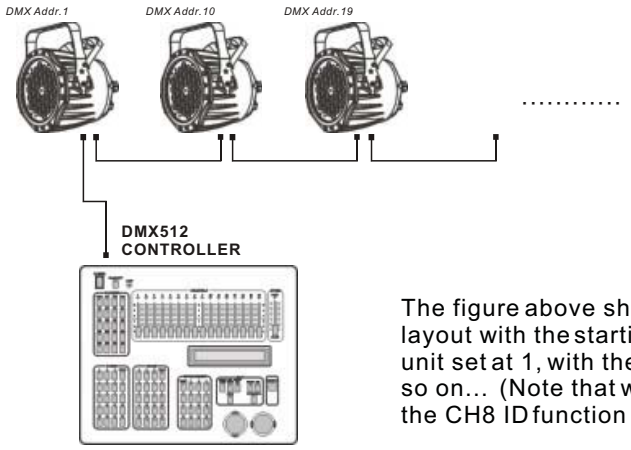
Note: As this fixture's DMX signal cable connection had been changed to Parallel connection, so if over 32 units to be connected, then a DMX signal amplifier is needed.

2.3 SETTING UP WITH A DMX512 CONTROLLER

2.3-1 DMX512 ADDRESSING WITHOUT ID ADDRESSING (STAG MODE)

- Connect the DMX512 controller to the units in series.
- Each unit has 9 DMX channels so the DMX Addresses should increase by increments of 9 (e.g. 1,10,19,28...)
- The ID address has not been set so therefore when using the controller CH8 must be inactive (CH8=0).
- Each DMX Address may be used as many times as required.
- Any DMX address in the range from 001 to 500 may be used.

Example:

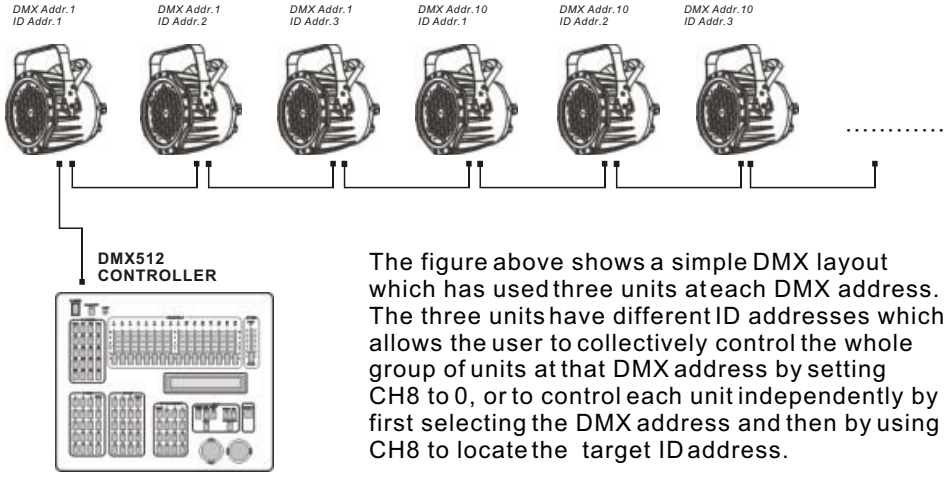


The figure above shows a simple DMX512 layout with the starting address of the first unit set at 1, with the second set at 10 and so on... (Note that when used in this way, the CH8 ID function must be inactive (CH8=0))

2.3-2 DMX512 ADDRESSING WITH ID ADDRESS (STAG MODE)

- Connect the DMX512 controller to the units in series
- Each unit has 9 DMX channels so the DMX Addresses should increase by increments of 9 (e.g. 1,10,19,28...)
- Each DMX Address may be used as many times as required.
- Any DMX address in the range from 001 to 500 may be used.
- Each DMX address may carry up to 66 separate ID addresses.
- 【***ID***】should be set in the menu on each unit in ascending values (i.e. 1,2,3...)
- ID addresses are accessible from Ch8 on the DMX512 controller.

Example:



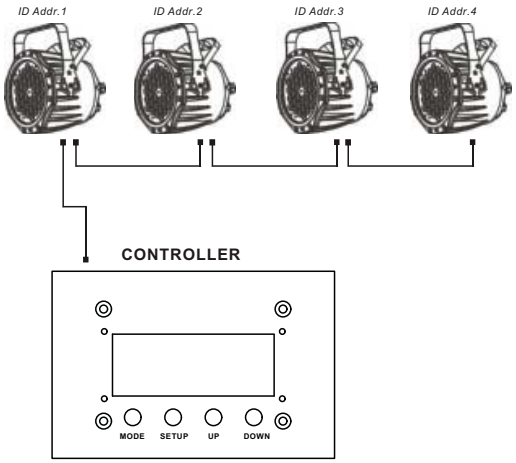
The figure above shows a simple DMX layout which has used three units at each DMX address. The three units have different ID addresses which allows the user to collectively control the whole group of units at that DMX address by setting CH8 to 0, or to control each unit independently by first selecting the DMX address and then by using CH8 to locate the target ID address.

2.4 SETTING UP WITH THE PiX CONTROLLER

2.4-1 SINGLE ROW APPLICATION

- Connect the fixtures to the PIX CONTROLLER in series.
- ID Address should be set in the【***Id***】menu on each unit in ascending values (i.e. 1,2,3...Not required for【***WASH***】programs).
- When using the PIX CONTROLLER with the fixtures there is no need to set the DMX address.
- When using the【***Effect***】programs it is important to set the【***Range***】of fixtures in the【***Settings***】menu of the PIX CONTROLLER.

Example:

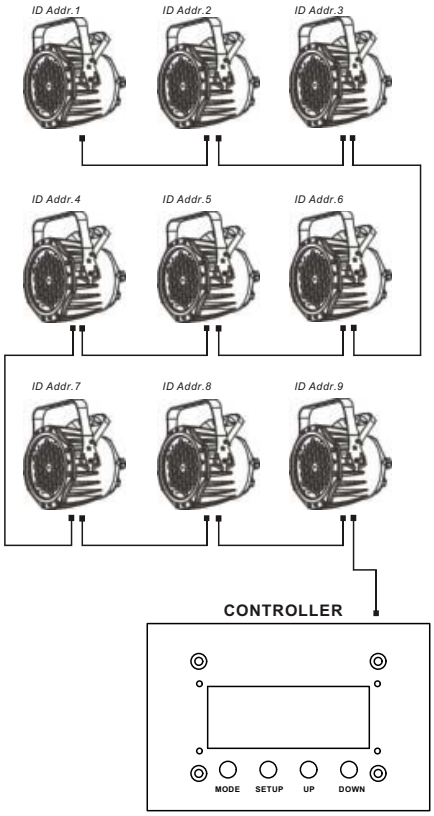


In the figure above the PIX controller is connected in series to 4 units with corresponding ID addresses from 1 to 4. In order to activate the【***Effect***】programs in the PIX CONTROLLER, the【***Range***】must be set to【***004***】in the【***Settings***】menu of the PIX CONTROLLER.

2.4-2 STANDARD BLOCK APPLICATION

- Connect the fixtures to the PIX CONTROLLER in series in the direction that is required.
- ID Address should be set in the【***Id***】menu on each unit in ascending values (i.e. 1,2,3...Not required for【***WASH***】programs).
- When using the【***Effect***】programs it is important to set the【***Range***】of fixtures in the【***Settings***】menu of the PiX CONTROLLER.

Example:

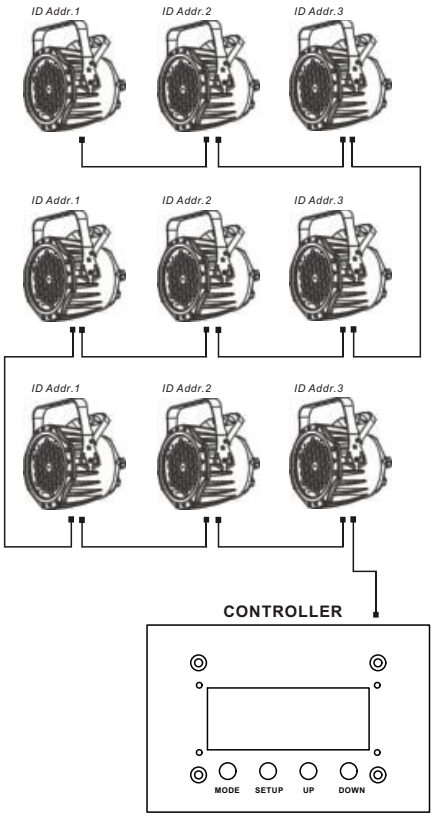


In the figure above the PiX controller is connected in series to 9 units with corresponding ID addresses from 1 to 9. In order to activate the【***Effect***】programs in the PIX CONTROLLER, the【***Range***】must be set to 【***009***】 in the【***Settings***】menu of the PIX CONTROLLER. (Note: it is possible to create different kinds of effects by changing the direction and position of ID Addresses)

2.4-3 REPEAT ROW BLOCK APPLICATION

- Connect the fixtures to the PIX CONTROLLER in series.
- 【***ID Address***】should be set in the【***Id***】menu on each unit in ascending order with each row repeated (Not required for【***Wash***】programs).
- When using the PRO-a CONTROLLER with the fixtures there is no need to set the DMX address.
- When using the 【***Effect***】programs it is important to set the【***Range***】of fixtures in the【***Settings***】menu of the Pix CONTROLLER.

Example:



In the figure above the PIX controller is connected in series to 9 fixtures with each row comprising of 3 fixtures with corresponding ID addresses from 1 to 3. Each row is repeated so that the ID addresses appear the same was as the first row. In order to activate the【***Effect***】programs in the PIX CONTROLLER, the【***Range***】must be set to【***003***】in the【***Settings***】menu of the PIX CONTROLLER.

2.5 OPERATION: DMX512 Vs PiX CONTROLLER

		OPERATION WITH A DMX512 CONTROLLER		
		AVAILABLE FUNCTIONS	**BENEFITS**	**DRAWBACKS**
DMX512 ADDRESS ID ADDRESS	X X	Basic【***WASH***】Programming	No need to set up DMX Address or ID Address	Must locate previosly stored DMX Address
DMX512 ADDRESS ID ADDRESS	√ X	Advanced【***WASH***】&【***EFFECT***】programming	Units are fully controlled from DMX512 controller	● Programming requires many DMX channels
DMX512 ADDRESS ID ADDRESS	X √	Basic【***WASH***】programming	● DMX Address ● ID address allows for less DMX channels when programming*	● All ID addresses must be set
DMX512 ADDRESS ID ADDRESS	√ √	Advanced【***WASH***】&【***EFFECT***】programming	● Advanced fixture mapping	● All ID addressesmust be set

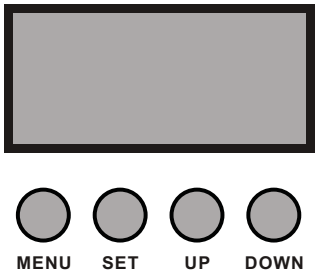
		OPERATION WITH THE PiX CONTROLLER		
		AVAILABLE FUNCTIONS	**BENEFITS**	**DRAWBACKS**
DMX512 ADDRESS ID ADDRESS	X X	Play【***WASH***】auto programs, Basic【***CUSTOM***】programming & Schedule play	No need to set up DMX Address or ID Address	Only control of all units at the same time
DMX512 ADDRESS ID ADDRESS	√ X	Play【***WASH***】auto programs, Basic【***CUSTOM***】programming & Schedule play	DMX address not used	Only control of all units at the same time
DMX512 ADDRESS ID ADDRESS	X √	Play【***WASH***】&【***EFFECT***】auto programs, Advanced【***CUSTOM***】programming & Schedule play	● DMX Address not used ● Control speed and time of all【***WASH***】&【***EFFECT***】programs ● Create powerful【***CUSTOM***】programs ● Schedule play ● Trigger auto programs with DMX IN	All ID Addresses must be set
DMX512 ADDRESS ID ADDRESS	√ √	Play【***WASH***】&【***EFFECT***】auto programs, Advanced【***CUSTOM***】programming & Schedule play	● DMX Address not used ● Control speed and time of all【***WASH***】&【***EFFECT***】programs ● Create powerful【***CUSTOM***】programs ● Schedule play ● Trigger auto programs with DMX IN	All ID Addresses must be set

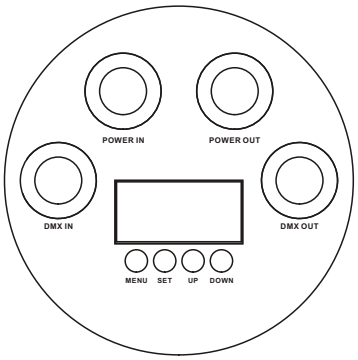
3 DISPLAY PANEL OPERATION

3.1 BASIC
3.2 MENU
3.3 ACTIVATING AUTO PROGRAMS
3.4 DMX512 SETTINGS
3.5 ID ADDRESS
3.6 EDITING CUSTOM PROGRAMS
3.7 SPECIAL SETTINGS
3.8 ACTIVATE THE PASSWORD
3.9 PERSONALITY
3.10 RUN MODE

3.1 BASIC

The LED fixture is mounted with a LCD display and 4 control buttons.





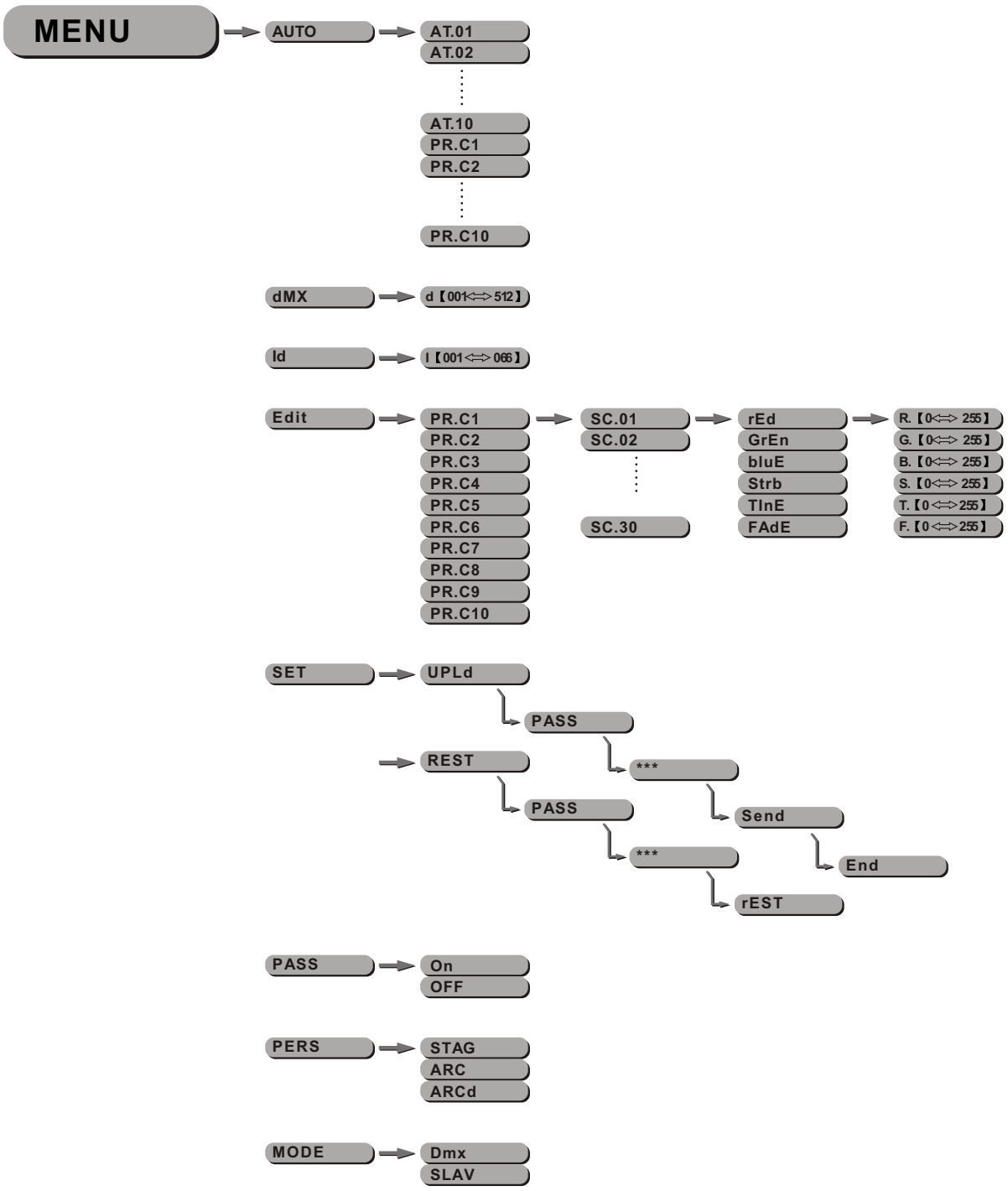
【**MENU**】scroll through the main menu or return to the main menu

【 **SET** 】enter the currently selected menu or confirm the current function value

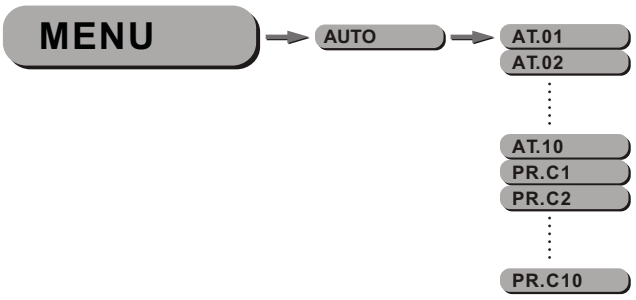
【 **UP** 】scroll 'UP' through the menu list or increase the value of the current function

【**DOWN**】scroll 'DOWN' through the menu list or decrease the value of the current function

3.2 MENU


MENU
AUTO
AT.01
AT.02
AT.10
PR.C1
PR.C2
PR.C10
dMX
d【001⇔512】
Id
I【001⇔066】
Edit
PR.C1
PR.C2
PR.C3
PR.C4
PR.C5
PR.C6
PR.C7
PR.C8
PR.C9
PR.C10
SC.01
SC.02
SC.30
rEd
GrEn
bluE
Strb
TInE
FAdE
R.【0⇔255】
G.【0⇔255】
B.【0⇔255】
S.【0⇔255】
T.【0⇔255】
F.【0⇔255】
SET
UPLd
PASS
***
Send
End
rEST
REST
PASS
***
rEST
PASS
On
OFF
PERS
STAG
ARC
ARCd
MODE
Dmx
SLAV

3.3 ACTIVATING AUTO PROGRAMS



【*Auto*】

- Select the target [Auto] program and press **【*SET*】**
- Programs **【*AT.01*】** to **【*AT.10*】** are fully pre-programmed and will not be altered by changes in **【*EdIT*】** mode
- Programs **【*PR.C1*】** to **【*PR.10*】** are fully pre-programmed and can be edited in **【*EdIT*】** mode

3.4 DMX512 SETTINGS

【*dMX*】

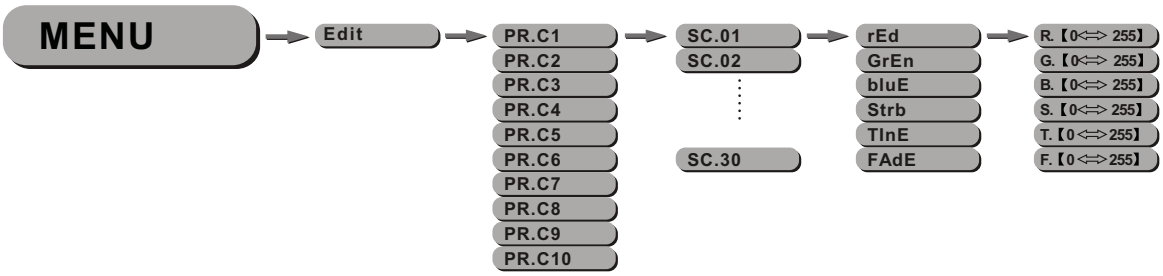
- Enter the **【*dMX*】** mode to set the DMX ADDRESS.

3.5 ID ADDRESS

【*Id*】

- Enter the **【*Id*】** mode to set the ID ADDRESS

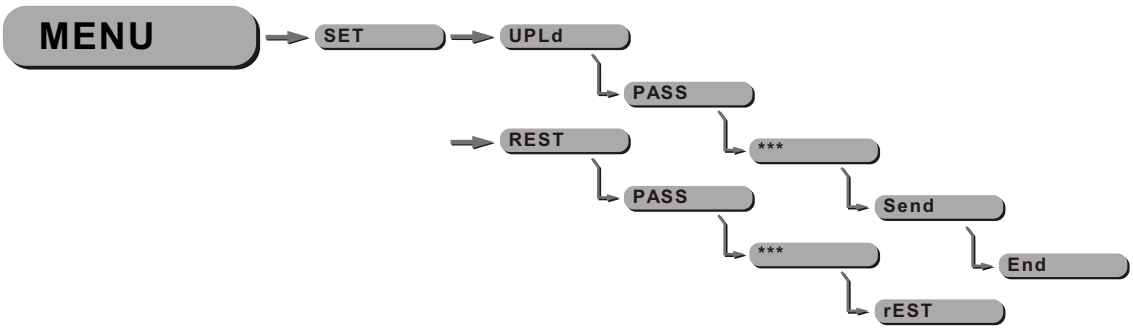
3.6 EDITING CUSTOM PROGRAMS



【*EdIT*】

- Enter the【***EdIT***】mode to edit the custom programs【***PR.C1***】to【***PR.10***】
- Each custom program has 30 steps that can be edited
- Each step allows the creation of a scene using RED【***rED***】, GREEN【***GrEn***】, BLUE【***bLUE***】, STROBE【***STrB***】, TIME【***TInE***】& FADE【***FAdE***】

3.7 SPECIAL SETTINGS



【*SET*】

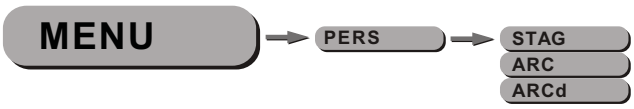
- Select【***UPLd***】to upload the custom programs from the current MASTER unit to the SLAVE units.
- In order to activate the upload function the password must be entered
- Password is the same as the main access password
- When uploading the MASTER and SLAVE units will display YELLOW
- If an error occurs when uploading the MASTER and/or SLAVE units will display RED
- On successful uploading of the custom programs the MASTER and SLAVE units will display GREEN.
- In order to reset custom modes to default values select【***rEST***】

3.8 A CTIVATE THE PASSWORD

【*PASS*】

- Enter the **【*PASS*】** mode to select whether the access password is on or off.
- In order to enter access password it is necessary to first press **【*SET*】**
- Access password is **【*UP*】** + **【*DOWN*】** + **【*UP*】** + **【*DOWN*】**

3.9 PERSONALITY



【*PERS*】

- Enter the **【*PERS*】** mode to select DMX mode: **【*STAG*】**, **【*ARC*】** or **【*ARCd*】** .

3.10 RUN MODE

【*MODE*】

- Enter the **【*MODE*】** mode to set working mode.
- **【*Dmx*】** mode is for using the DMX512 controller to control the fixtures.
- **【*SLAV*】** mode is for Master -- Slave operation, or controlled fixture by Pix-controller.

Note: When fixtures are under Auto program operation, the **【*MODE*】** no works.

4 USING A DMX512 CONTROLLER

4.1 BASIC ADDRESSING
4.2 CHANNEL ASSIGNMENT
4.3 BASIC INSTRUCTIONS FOR DMX512 OPERATION

4.1 BASIC ADDRESSING

- Connect all of the units in series using standard DMX512 signal cable or the IP65 rated cable provided.
- Set the DMX512 address in the 【***DMX***】 menu.
- It is possible to have the same DMX address or independent addresses for each fixture.

4.2 CHANNEL ASSIGNMENT

- Note: This product have three DMX512 channel configuration: 【***STAGE***】, 【***ARC***】 and 【***ARCd***】

STAGE

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	**RED** (or STEP TIME when PR.01-PR.10 is activated)
3	0⇔255	**GREEN** (or FADE TIME when PR.01-PR.10 is activated)
4	0⇔255	BLUE
5	0⇔9	NO FUNCTION
	10⇔29	RED
	30⇔39	RED(85%)+YELLOW(15%)
	40⇔49	RED(60%)+YELLOW(40%)
	50⇔69	YELLOW
	70⇔79	YELLOW(85%)+GREEN(15%)
	80⇔89	YELLOW(60%)+GREEN(40%)
	90⇔109	GREEN
	110⇔119	GREEN(85%)+BLUE(15%)
	120⇔129	GREEN(60%)+BLUE(40%)
	130⇔149	BLUE
	150⇔159	BLUE(85%)+CYAN(15%)
	160⇔169	BLUE(60%)+CYAN(40%)
	170⇔189	CYAN
	190⇔199	CYAN(50%)+PURPLE(50%)
	200⇔219	PURPLE
	220⇔229	PURPLE(50%)+WHITE(50%)
	230⇔249	WHITE(95%)+YELLOW(5%)
	250⇔255	WHITE
6	0⇔9	NO FUNCTION
	10⇔63	STROBE 1
	64⇔127	STROBE 2
	128⇔191	STROBE 3
	192⇔255	STROBE 4

CHANNEL	VALUE	FUNCTION
7	0⇔9	NO FUNCTION
	10⇔19	AT. 01 (AUTO 01)
	20⇔29	AT. 02
	30⇔39	AT. 03
	40⇔49	AT. 04
	50⇔59	AT. 05
	60⇔69	AT. 06
	70⇔79	AT. 07
	80⇔89	AT. 08
	90⇔99	AT. 09
	100⇔109	AT. 10. (AT.01 to AT.09 cycle 5min each AUTO mode)
	110⇔119	PR.C1 (CUSTOM PROGRAM 1)
	120⇔129	PR.C2
	130⇔139	PR.C3
	140⇔149	PR.C4
	150⇔159	PR.C5
	160⇔169	PR.C6
	170⇔179	PR.C7
	180⇔189	PR.C8
	190⇔199	PR.C9
	200⇔255	PR.10
8		ID ADDRESS
	0⇔9	ID1~ID66
	10⇔19	ID1
	20⇔29	ID2
	30⇔39	ID3
	40⇔49	ID4
	50⇔59	ID5
	60⇔69	ID6
	70⇔79	ID7
	80⇔89	ID8
	90⇔99	ID9
	100⇔109	ID10
	110⇔119	ID11
	120⇔129	ID12
	130⇔139	ID13
	140⇔149	ID14
	150⇔159	ID15
	160⇔169	ID16
	170⇔179	ID17
	180⇔189	ID18
	190⇔199	ID19
	200⇔209	ID20
	210	ID21
	211	ID22
	212	ID23

CHANNEL	VALUE	FUNCTION
8	213	ID24
	214	ID25
	215	ID26
	216	ID27
	217	ID28
	218	ID29
	219	ID30
	220	ID31
	221	ID32
	222	ID33
	223	ID34
	224	ID35
	225	ID36
	226	ID37
	227	ID38
	228	ID39
	229	ID40
	230	ID41
	231	ID42
	232	ID43
	233	ID44
	234	ID45
	235	ID46
	236	ID47
	237	ID48
	238	ID49
	239	ID50
	240	ID51
	241	ID52
	242	ID53
	243	ID54
	244	ID55
	245	ID56
	246	ID57
	247	ID58
	248	ID59
	249	ID60
	250	ID61
	251	ID62
	252	ID63
	253	ID64
	254	ID65
	255	ID66
9	0⇔250	CH1, CH2, CH3 & CH4 INSTANT FADER RESPONSE
	251⇔255	CH1, CH2, CH3 & CH4 DELAY FADER RESPONSE

ARC

CHANNEL	VALUE	FUNCTION
1	0⇔255	RED
2	0⇔255	GREEN
3	0⇔255	BLUE

ARCd

CHANNEL	VALUE	FUNCTION
1	0⇔255	MASTER DIMMER
2	0⇔255	RED
3	0⇔255	GREEN
4	0⇔255	BLUE

4.3 BASIC INSTRUCTIONS FOR DMX512 OPERATION

MASTER DIMMER
- CH1 controls the intensity of the currently projected color
- When the slider is at the highest position (255) the intensity of the output is the maximum

RED, GREEN & BLUE COLOR SELECTION
- CH2, CH3 & CH4 control the intensity ratio of each of the RED, GREEN & BLUE LEDs.
- When the slider is at the highest position (255) the intensity of the color is the maximum.
- CH2, CH3 & CH4 can be combined together to create over 16 million colors.
- CH2, CH3 & CH4 have priority over CH4, CH5, CH6 & CH7

COLOR MACROS
- CH5 selects the required COLOR MACRO
- CH5 has priority over CH2, CH3 and CH4
- CH1 is used to control the intensity of the COLOR MACRO

STROBE
- CH 6 controls the strobe of CH1 to CH5
- Strobe 1 is with RGB in-step
- Strobe 2 is with RGB out-step
- Strobe 3 is a pulse strobe (slow on/fast off)
- Strobe 4 is a pulse strobe (fast on/slow off)

ID ADDRESS SELECTION
- CH8 is used to select the target ID address.
- Each independent DMX address may have upto 66 independent ID addresses.
- An ID address of 0 will activate all ID address locations.

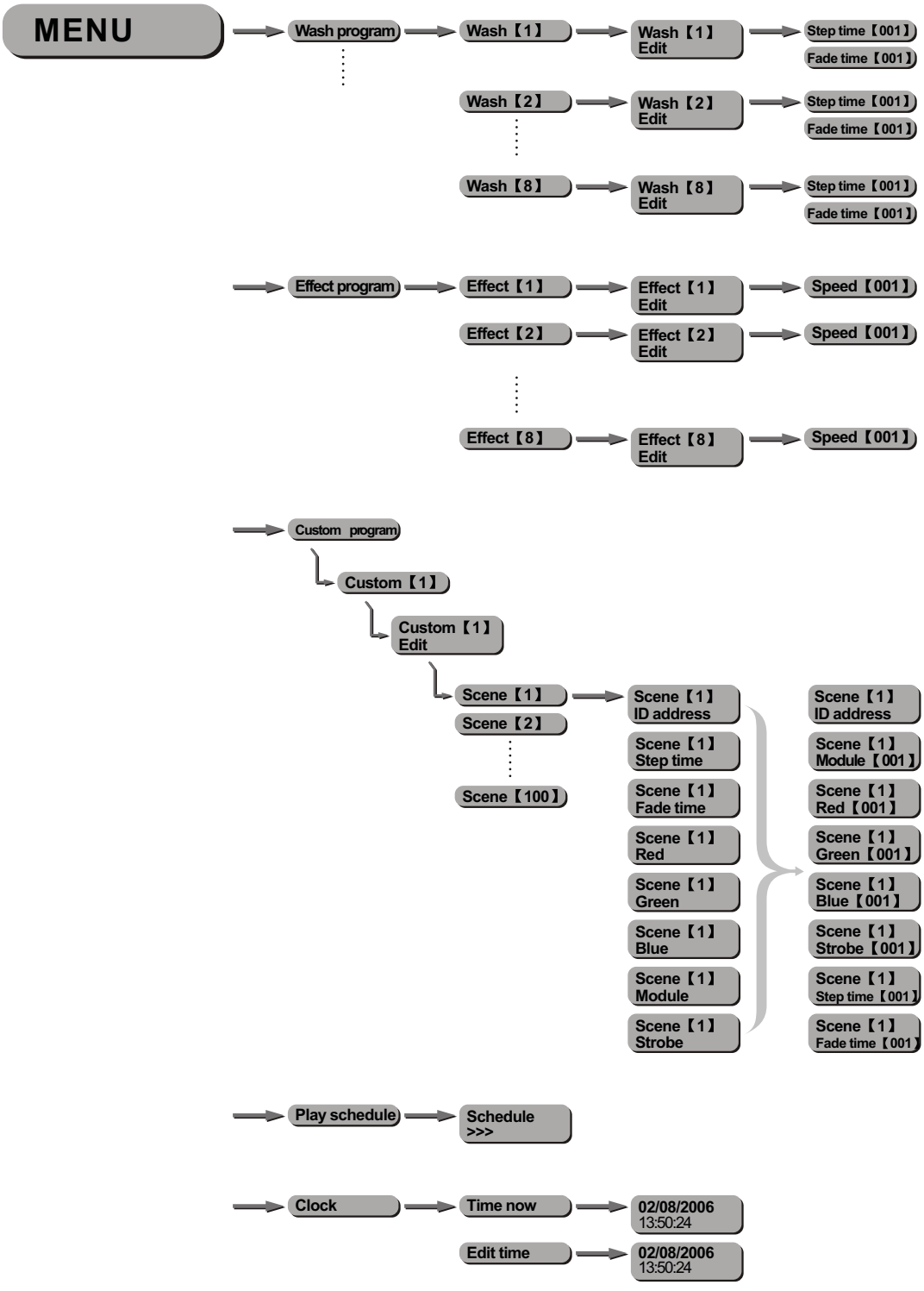
AUTO
- CH7 selects the preset AUTO programs AT.01-AT10 or the custom AUTO programs PR.C1-PR.10
- When activating the custom AUTO programs PR.C1 to PR.10 then it is possible to control the
- STEP TIME and FADE TIME using CH2 and CH3 respectively.

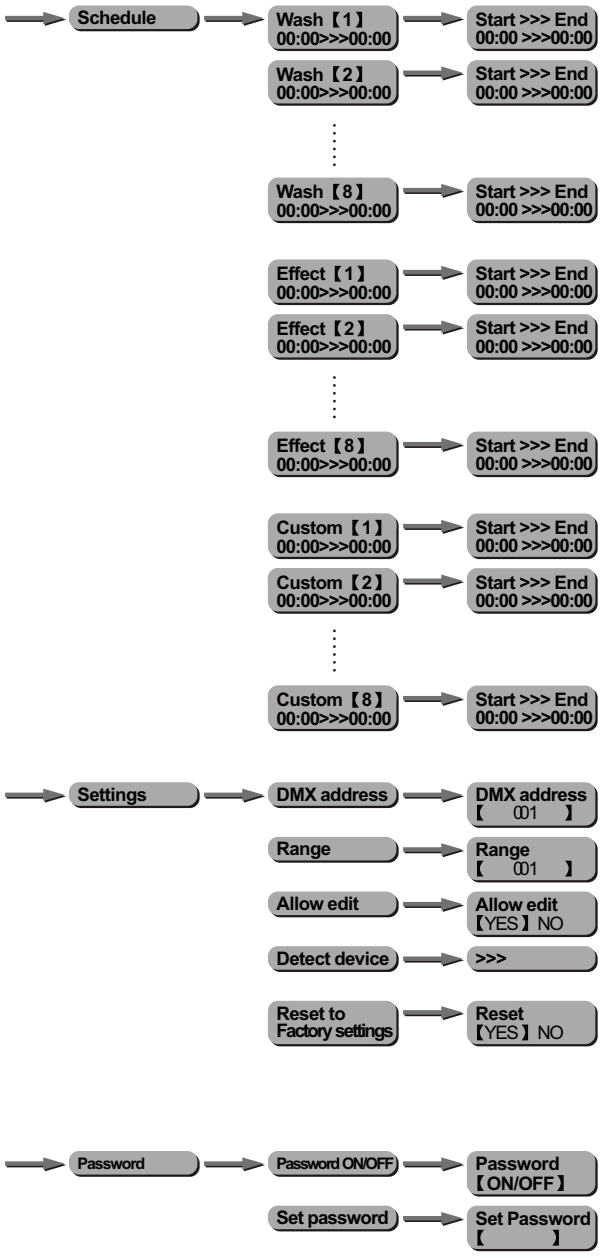
CH9 is used to select whether the unit operates with an instant response to the DMX fader or whether there is a preset delay response.

5 USING THE CONTROLLER

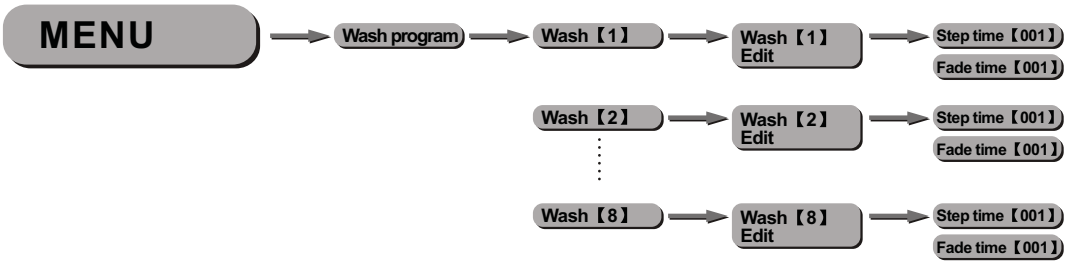
5.1 MENU
5.2 WASH PROGRAM
5.3 EFFECT PROGRAM
5.4 CUSTOM PROGRAM
5.5 PLAY SCHEDULE
5.6 CLOCK
5.7 SCHEDULE
5.8 SETTINGS
5.9 ACTIVATE THE PASSWORD
5.10 PiX CONTROLLER EXTERNAL CONTROL VIA DMX512
5.11 MAINTENANCE
5.12 ELECTRICAL DIAGRAM

5.1 MENU


MENU
Wash program
Wash【1】
Wash【1】 Edit
Step time【001】
Fade time【001】
Wash【2】
Wash【2】 Edit
Step time【001】
Fade time【001】
Wash【8】
Wash【8】 Edit
Step time【001】
Fade time【001】
Effect program
Effect【1】
Effect【1】 Edit
Speed【001】
Effect【2】
Effect【2】 Edit
Speed【001】
Effect【8】
Effect【8】 Edit
Speed【001】
Custom program
Custom【1】
Custom【1】 Edit
Scene【1】
Scene【2】
Scene【100】
Scene【1】 ID address
Scene【1】 Step time
Scene【1】 Fade time
Scene【1】 Red
Scene【1】 Green
Scene【1】 Blue
Scene【1】 Module
Scene【1】 Strobe
Scene【1】 ID address
Scene【1】 Module【001】
Scene【1】 Red【001】
Scene【1】 Green【001】
Scene【1】 Blue【001】
Scene【1】 Strobe【001】
Scene【1】 Step time【001】
Scene【1】 Fade time【001】
Play schedule
Schedule >>>
Clock
Time now
02/08/2006 13:50:24
Edit time
02/08/2006 13:50:24


Schedule
Wash【1】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Wash【2】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Wash【8】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Effect【1】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Effect【2】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Effect【8】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Custom【1】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Custom【2】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Custom【8】 00:00>>>00:00
Start >>> End 00:00 >>>00:00
Settings
DMX address
DMX address 【 001 】
Range
Range 【 001 】
Allow edit
Allow edit 【YES】NO
Detect device
>>>
Reset to Factory settings
Reset 【YES】NO
Password
Password ON/OFF
Password 【ON/OFF】
Set password
Set Password 【 】

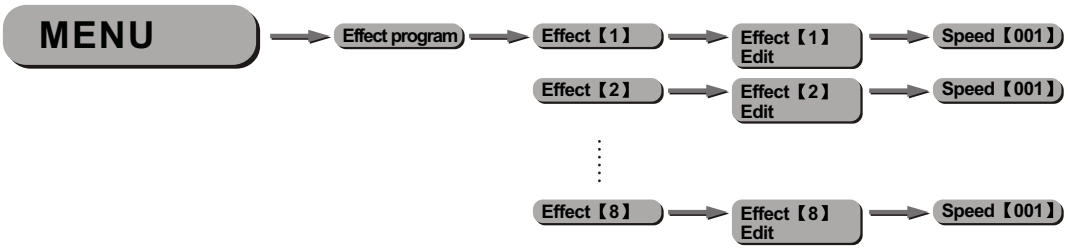
5.2 WASH PROGRAM



【*Wash*】

- Select from the eight【***Wash***】programs and instantly play
- When【***Edit***】is allowed in [Settings] it is possible to set the【***Step time***】 and【***Fade time***】
- The unit of【***Step time***】is 5 seconds and can be adjusted from 1 to 255
- The unit of 【***Fade time***】is 5 seconds and can be adjusted from 1 to 255

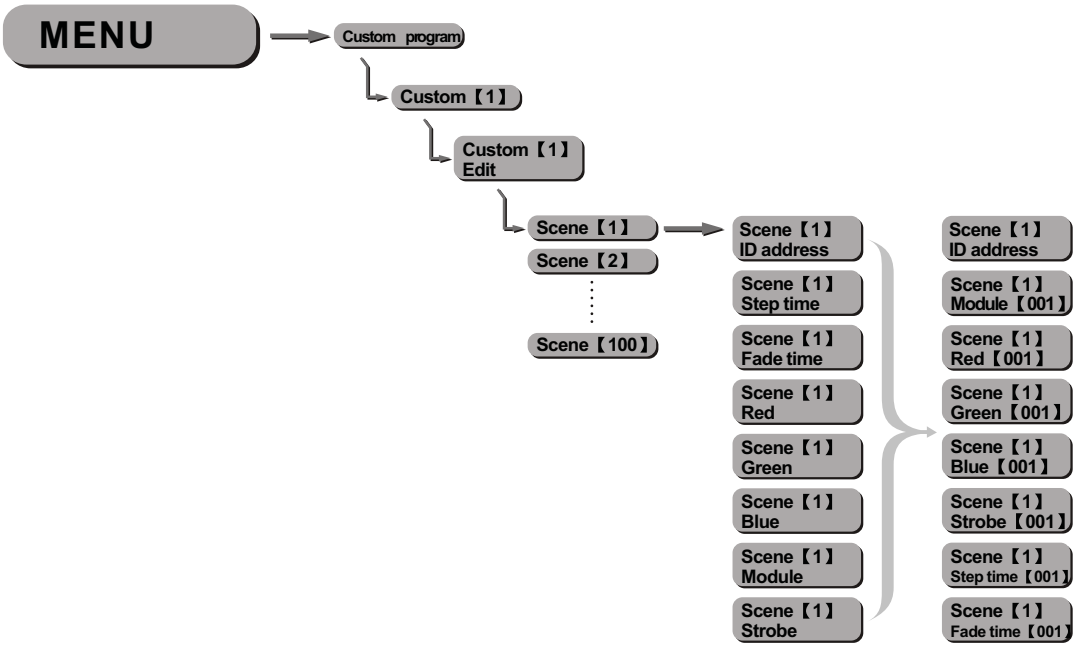
5.3 EFFECT PROGRAM



【*Effect*】

- Select from the eight【***Effect***】programs and instantly play
- When【***Edit***】is allowed in【***Settings***】it is possible to set the【***Speed***】
- The【***Speed***】of the【***Effect***】can be adjusted from 1 to 255

5.4 CUSTOM PROGRAM



【*Custom*】

- Select from the eight **【*Custom*】** programs and instantly play
- When **【*Edit*】** is allowed in **【*Settings*】** it is possible to enter the edit section

【*Scene*】
- Select from 100 scenes to create or edit
- Scenes that are not required should have the **【*Step time*】** set as 0

【*ID address*】
- Select the ID address of the target unit
- Set the ID address as 0 to include all ID addresses
- ID address action from previous steps is stored until changed allowing for combination colors/effects using different ID addresses

【*Module*】
- Select the [Module] to be active:
  0=#1 #2 #3
  1=#1
  2=#2
  3=#3
  4=#1 #2
  5=#2 #3
  6=#1 #3

【*Red*】,【*Green*】&【*Blue*】
- Combine RED, GREEN & Blue to create an infinite range of colors (0-255)

【*Strobe*】
- Select the strobe speed from 0-20Hz

【*Step time*】
- Select the **【*Step time*】** of the current scene
- The unit of **【*Step time*】** is 0.1s for the range 0-10 and 1 sec for the range 11-255

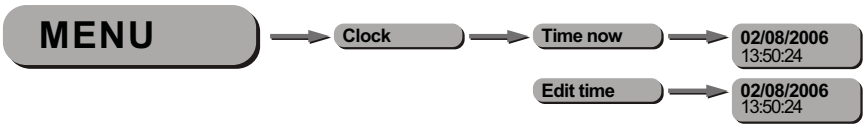
【*Fade time*】
- Select the [Fade time] of the current scene
- The unit of [Fade time] is 1 second and can be adjusted from 0 to 255

5.5 PLAY SCHEDULE

【*Schedule*】

- Activate this menu in order to play the schedule

5.6 CLOCK



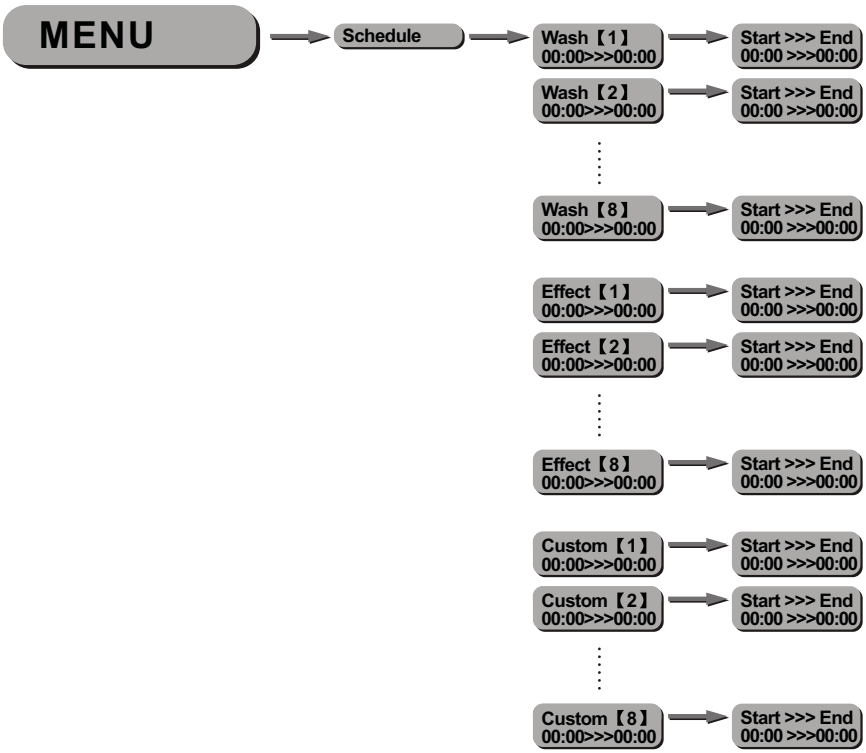
【*Time now*】

- Enter this function to view the current time.

【*Edit time*】

- Enter this menu to edit the date and time.

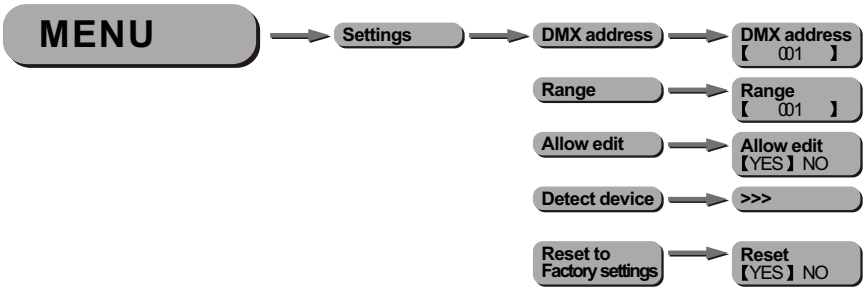
5.7 SCHEDULE



【*Wash*】,【*Effect*】&【*Custom*】

- Enter each of the twenty-four 【***Wash***】,【***Effect***】and【***Custom***】programs to set Start & End time
- Programs will be played according to schedule time order.
- When a program is currently playing and has not yet reached the [End] time, any new [Start] time will have priority when over-lapping times.

5.8 SETTINGS



【*DMX address*】

- Enter the 【***DMX address***】 menu to set the DMX address of the controller.
- The DMX address may only be selected in the range 1-250

【*Range*】

- Enter the number of units connected together in series.

【*Allow edit*】

- This function allows or disables edit in 【***Wash program***】, 【***Effect program***】 & 【***Custom program***】

【*Detect device*】

- This function enables the controller to connect to all units.
- When new units are attached, this function must be used to locate new units.
- When the controller is turned off and then on again, the controller will also detect new units.

【*Reset to factory settings*】

- This functions will reset all settings to the original factory setting.
- Note that Custom program settings will not be affected by this function

【*Default settings*】

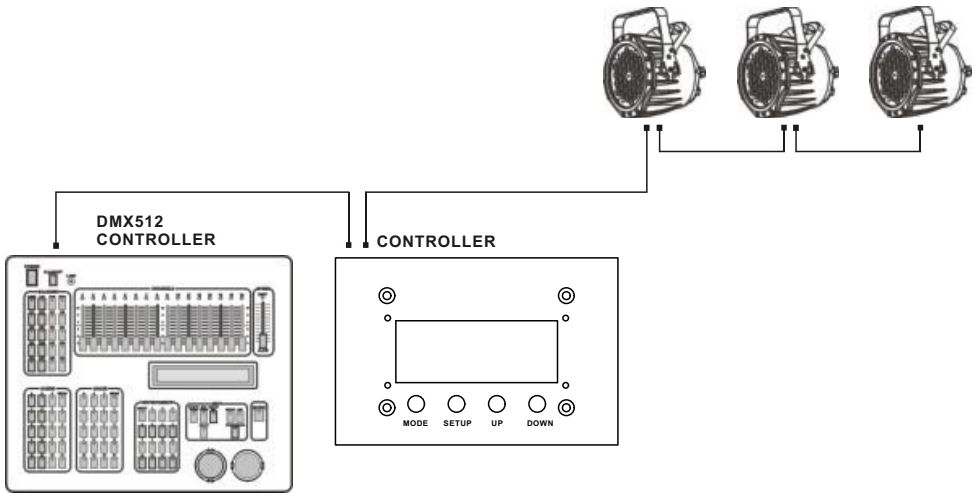
- 【Schedule】all times in the schedule are reset to【00:00】
- 【Wash program】 step times and fade times are reset to【001】
- 【Effect program】speeds are reset to【001】
- 【DMX address】DMX address is reset to【001】
- 【Range】 range is reset to【066】
- 【Allow edit】allow edit is reset to【Yes】
- 【Password ON/OFF】password is reset to【OFF】
- 【Set password】password is reset to【00000000】('DOWN' = 0, 'UP' = 1)

5.9 ACTIVATE THE PASSWORD

- Enter the【Password】mode to set password YES/NO
- When password is activated, display will demand password each time the fixture is powered on.
- Enter the【Set password】menu to change password.
- Set new password using the【***UP***】& 【***DOWN***】keys.
- Input an 8 digit password and then press【***SET***】to confirm
- NOTE: In the event that the password is forgotten. Please use the factory password shown below.
- 【***UP***】>【***DOWN***】>【***UP***】>【***DOWN***】> ***Up***】>***UP***】>【***DOWN***】>【***DOWN***】

5.10 PiX CONTROLLER EXTERNAL CONTROL VIA DMX512

- It is possible to access the internal programs of the PiX controller using a DMX512 controller.
- The diagram below shows how to connect the equipment together.
- It is necessary to set the DMX address on the controller to the target DMX address as selected on the DMX512 controller

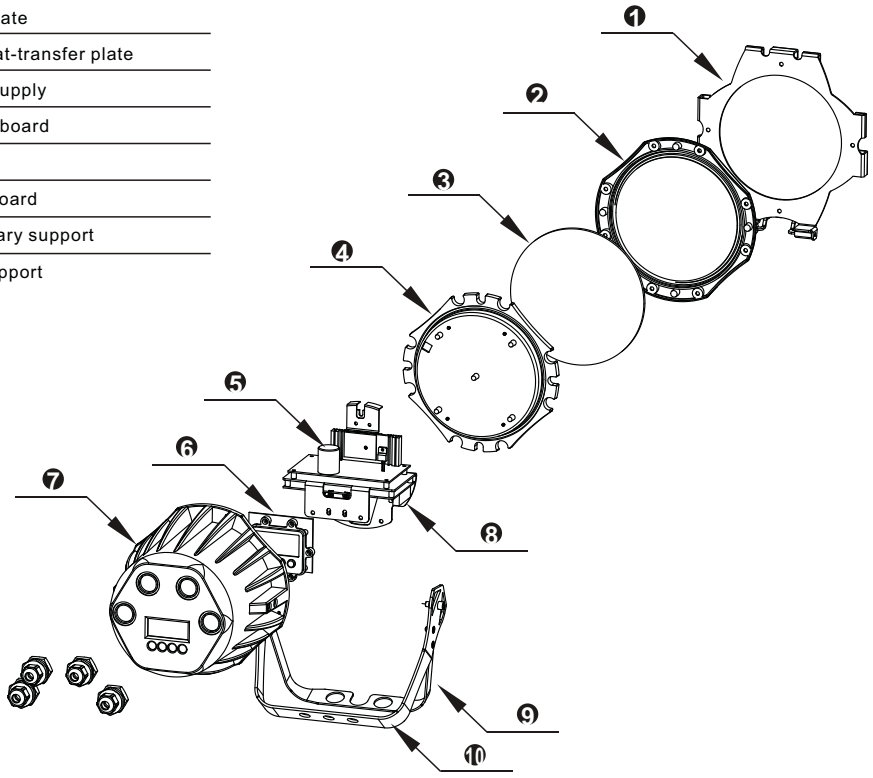


CHANNEL	VALUE	FUNCTION
1	0⇔10	Refresh
	11⇔30	Wash【1】
	31⇔40	Refresh
	41⇔60	Wash【2】
	61⇔70	Refresh
	71⇔90	Wash【3】
	91⇔100	Refresh
	101⇔120	Wash【4】
	121⇔130	Refresh
	131⇔150	Wash【5】
	151⇔160	Refresh
	161⇔180	Wash【6】
	181⇔190	Refresh
	191⇔210	Wash【7】
	211⇔220	Refresh
	221⇔255	Wash【8】
2	0⇔10	Refresh
	11⇔30	Effect【1】
	31⇔40	Refresh
	41⇔60	Effect【2】
	61⇔70	Refresh
	71⇔90	Effect【3】
	91⇔100	Refresh
	101⇔120	Effect【4】
	121⇔130	Refresh
	131⇔150	Effect【5】

CHANNEL	VALUE	FUNCTION
2	151⇔160	Refresh
	161⇔180	Effect【6】
	181⇔190	Refresh
	191⇔210	Effect【7】
	211⇔220	Refresh
	221⇔255	Effect【8】
3	0⇔10	Refresh
	11⇔30	Custom【1】
	31⇔40	Refresh
	41⇔60	Custom【2】
	61⇔70	Refresh
	71⇔90	Custom【3】
	91⇔100	Refresh
	101⇔120	Custom【4】
	121⇔130	Refresh
	131⇔150	Custom【5】
	151⇔160	Refresh
	161⇔180	Custom【6】
	181⇔190	Refresh
	191⇔210	Custom【7】
	211⇔220	Refresh
	221⇔255	Custom【8】
4	0⇔127	OFF
	128⇔255	ON

5.11 MAINTENANCE

No	ITEM
1	Gel holder
2	Upper cover
3	Glass plate
4	LED heat-transfer plate
5	Power supply
6	Display board
7	Casing
8	Driver board
9	Secondary support
10	Main support



5.12 ELECTRICAL DIAGRAM